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DEPARTMENT OF NATURAL RESOURCES

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Division of Oil, Gas and Mining

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Minerals Inspection Report

Report Date: 08/03/2015

Reviewed

Mine Name: Gardner Canyon/Nebo Gypsum	Permit Number: S/023/0015	Mine Status: Active
Operator Name: Triumph Mining Corporation	Inspection Date: 07/29/2015	Permit Fees: Paid
Inspector(s): Wayne Western	Inspection Time: 11:00 am - 1:30 pm	Bond Amount: \$40,000
Attendee(s): George Garcia, Renee Flanagan, Roger Kesterson	Weather: warm and clear	Bond Escalation: 11/14/2015
Inspection Purpose: Routine inspection		Prior Inspection: 08/30/2013

Conclusions and Recommendations

The Operator was given tentative approval to expand the mine site from 4.4 acres to 10.0 in a letter dated September 17, 2013. The Operator needed to increase the bond from \$40,000.00 to \$64,000.00. The Operator expanded the disturbed area but did not post the additional bond. The Operator constructed the load out/turnaround which was given tentative approval but not bonded. The Operator also disturbed several other areas which were also not bonded, such as areas to the east for a road (which was later reclaimed) and an overburden/waste dump to the north and south of the disturbed area.

Elements of Inspection		Evaluated & Commented	Enforcement
1.	Permits, Revisions, Transfer, Bonds The bond and permit fees are current. The Operator requested to expand the area from 4.4 acres to 10.0 acres in 2013. In a letter dated September 13, 2013, the Division granted tentative approval on condition that the bond was increased from \$40,000.00 to \$64,000.00. No additional bond has been posted. The Operator has disturbed areas outside of the disturbed area boundaries: a) road to the east 0.53 acres (reclaimed), b) load out/turnaround 1.07 acres, c) out slope to the north 2.26 acres and d) out slope to the south which is on critical deer and elk winter ranges on land owned by the Division of Wildlife Resources.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Public Safety (shafts, adits, trash, signs, highwalls) There are no shafts, adits or trash on the site. Signs were placed to warn the public. Access to the site is limited because the road is closed to motorized vehicles except those associated with the mine and water pipeline maintenance. Highwalls do exist on the site that are approximately 30 feet high and near vertical. There are three drill holes east of the pit that are not plugged.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	Protection of Drainages/Erosion Control There are rills in the roads within the disturbed area boundaries. The rills are large enough to make driving on the road difficult, and if not checked the roads could become non drivable.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Deleterious Material There were no deleterious materials spotted on the site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.	Roads (maintenance, surfacing, dust control, safety) There are rills in the roads within the disturbed area boundaries. The rills are large enough to make driving on the road difficult, and if not checked the roads could become non drivable. The Operator constructed a road east of the disturbed area sometime between August 27, 2009, and September 10, 2009 (see Google Earth images). The road was later reclaimed between October 2, 2011, and March 23, 2014 (see Google Earth Images).	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6.	Reclamation The Operator reclaimed the road east of the disturbed area. Both the USFS and the Division agreed that the road reclamation meets minimum standards. Additional bond should be posted to cover revegetation requirements.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7.	Backfilling/Grading (trenches, pits, roads, highwalls, shafts) The Operator dumped overburden/waste material onto areas outside the disturbed area boundaries. The area north of the disturbed area consists of 2.26 acres which extends from the edge of the disturbed area to the stream channel in Gardner Canyon. The area to the south went on to critical deer and elk winter habitat. The land is owned by the Utah Division of Wildlife resources.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8.	Soils	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The Operator dumped overburden/waste materials onto undisturbed lands north and south of the disturbed area. The area to the north is approximately 2.26 acres. That area is on a slope that is at or near the angle of repose. No soils were salvaged before the material was dumped. Given the steepness of the slope removal of the material and recovery of the soils is not practical. The area to the south also had overburden/waste material dumped onto soils. Remove of the material and recovery of the soils may be possible.

9. Revegetation



The Operator did re-vegetate the road that was constructed east of the pit. The Division should have a biologist determine if the vegetation meets minimum standards.

10. Other



Inspector's Signature: _____

CC:

File: /nrwogmfs1/OGM/GROUPS/MINERALS/WP/M023-Juab/S0230015-GardnerCanyon/inspections/Insp07292015BBBBBBB.pdf



Road east of disturbed area boundary near pit looking south west



Road east of disturbed area showing reclaimed cut slopes looking east



Road east of disturbed area looking south



Road east of disturbed area looking north. Areas has been revegetated.



Rills on road near top of the pit



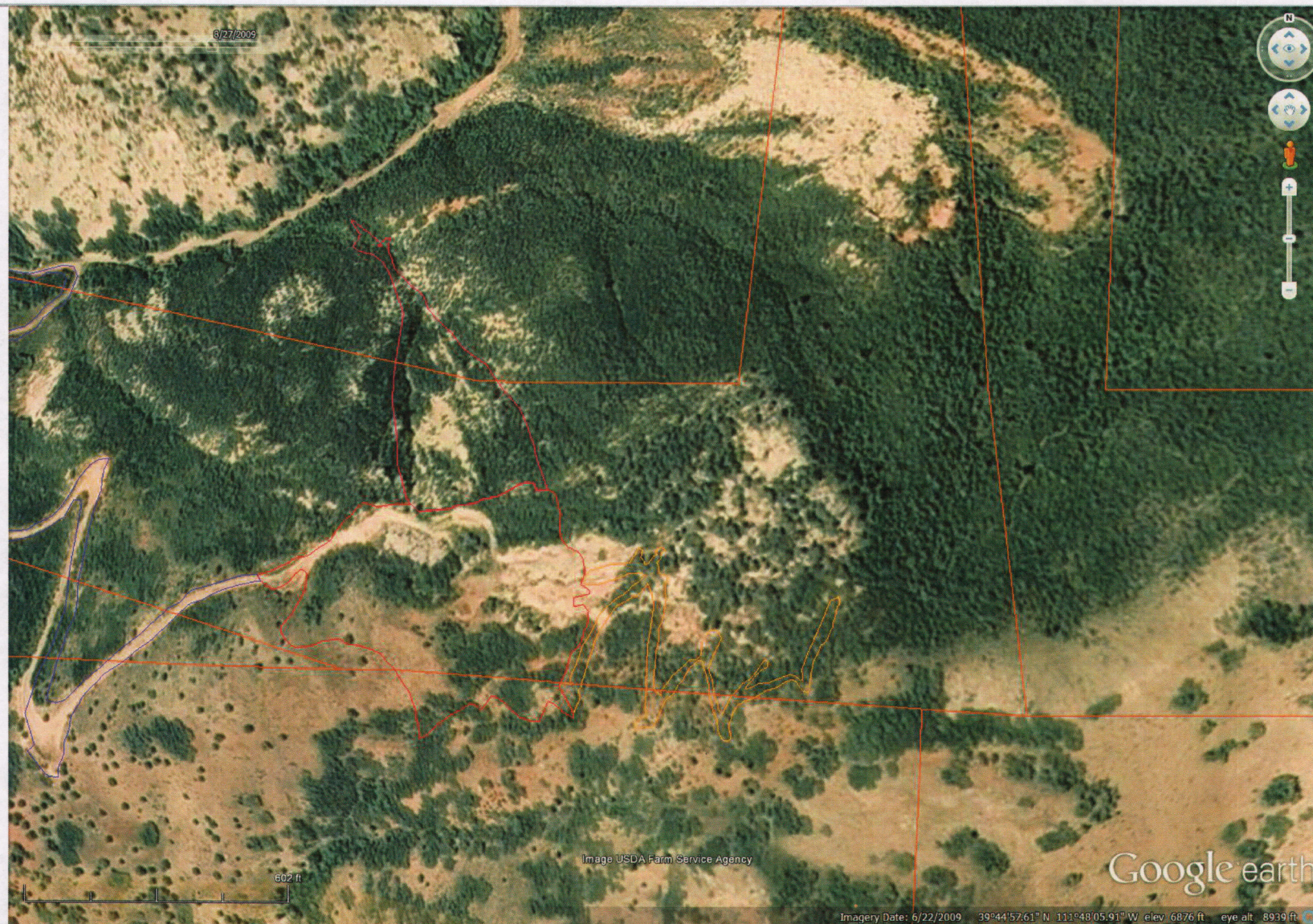
Rills on road looking west



Rills on road looking west



Rills on road first turn from pit area



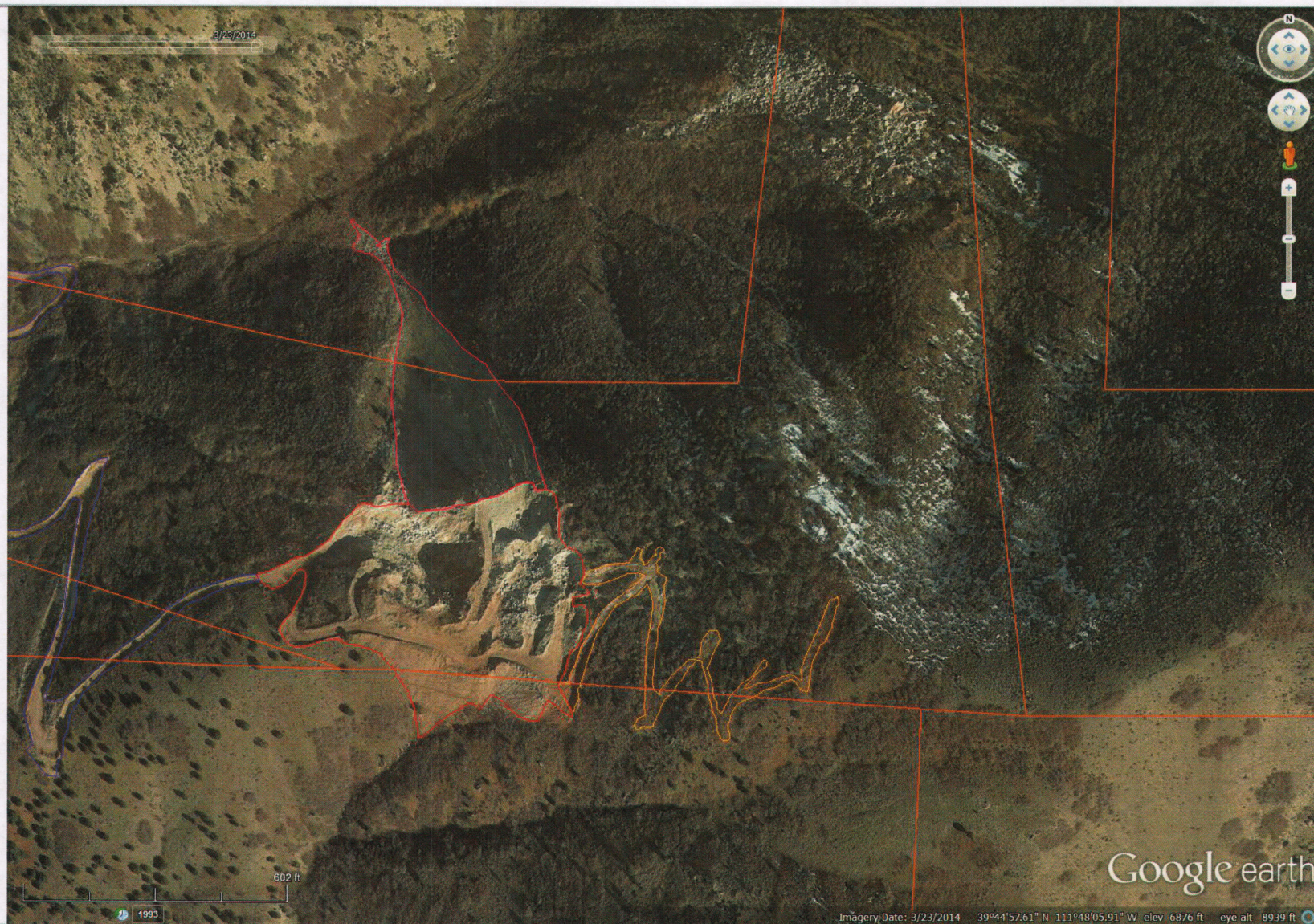
GoogleEarth Image August 27, 2009, there is not road east of the pit.



GoogleEarth Image September 10, 2009, there is road east of the pit.



GoogleEarth Image October 2, 2011, note areas north and south of pit



GoogleEarth Image March 23, 2014 - major disturbance to north of pit, some disturbance south of pit and road east of pit reclaimed.